

Amendments to the Specification:

Page 1, line 9, please amend the paragraph as follows:

Servers are designed today with a chassis that includes many electrical components and discrete functionality cards. For example, a server may comprise discrete functionality boards including, but not limited to those such as, an I/O card, a PCI subsection, a main central processor board, media devices, hard disk storage devices, and a service processor card. The components and cards are electrically connected to a component board, such as a midplane component board, through high-speed connectors, such as, but not limited to, connector styles such as (HDM or VHDM). The function of the component board is to distribute power and to connect the various components and cards together.

Page 2, line 4, please amend the paragraph as follows:

Conventionally, the component board is mounted vertically inside the chassis, while the central processor board and the PCI subsection lie flat or horizontal and connect to the component board at right angles. There are generally two methods for implementing a vertical component board architecture. The first utilizes a component board mounted laterally in the chassis either-(i.e., side-to-side). In this architecture, the central processor board is installed in a single motion by sliding the board into the chassis towards the component board until their connectors engage.

Page 3, line 11, please amend paragraph as follows:

A dual motion docking apparatus for docking an electronics console to a component board in a chassis is disclosed. The electronics console and the component board lie in the same plane of the chassis, but the electronics console must be mated with the component board at an angle orthogonal to a direction of installation of the electronics console. Aspects of the present invention include a first docking mechanism for slidably inserting the electronics console into a chassis, such that connectors on the electronics console align with connectors on the component board. The first docking mechanism preferably comprises a docking base coupled to the electronics console that has a longitudinal female portion, and a longitudinal male portion located on an underside of the electronics console, wherein when the electronics console is inserted into an opening in a chassis, the male portion engages the female portion of the docking base to guide the electronics console along the docking base as the electronics console is slid into the chassis. and a The dual motion docking apparatus further includes a second docking mechanism for laterally moving the electronics console towards the component board, such that the electronics console connectors engage the component board connectors, thereby enabling the blind docking between the electronics console and the component board. The second docking mechanism preferably comprises a handle extending from a front of the electronics console, and a cam mechanism having a portion that is held immobile by a docking base, wherein after the electronics console is slid into the chassis, the handle is pushed rearward by hand to actuate the cam mechanism, which then pulls the electronics console towards the component board.

Page 5, line 17, please amend the paragraph as follows:

FIG. 1 is a diagram illustrating a server system architecture incorporating a bi-directional docking mechanism in accordance with a preferred embodiment of the present invention. All the components of the system 10 are enclosed by a main chassis, which is not shown for purposes of illustration. The components of the system 10 include I/O and system management cards 12, PCI adapter cards to 14, media cards 16, a component board, such as midplane component board 18, such as a main central processor board 20, hard disk storage devices 22, a power subsystem 24, and a thermal subsystem 26.

Page 8, line 11, please amend the paragraph as follows:

FIGS. 5A and 5B are diagrams illustrating components of the dual motion docking mechanism that enable the first docking motion. In FIG. 5A, the CEC 20 is shown with the electronics and cover removed showing the top of the base plate 34. In one preferred embodiment of the present invention, the first docking motion is partially implemented by attaching a component board docking base 50 to the bottom of the component board 18 (not shown) and to the rear of the chassis.

Page 12, line 17, please amend the paragraph as follows:

According to a further aspect of the present invention, the dual motion docking mechanism also reduces vibrations experienced by the CEC 20. As shown in FIGS. 4, 8, 9, and 11, the sliding plate 74 is provided with two retractable lateral support members 82. The side of the CEC 20 opposite that of the component board 18 includes two horizontal openings 84 for the retractable lateral support members 82. FIGS. 8 and 10 shows the CEC 20 in the undocked position in which the lateral support

members 82 are retracted and flush with the side of the CEC 20. Referring to FIGS. 4 and 11, as the actuation handle 70 is pushed in, and the CEC 20 moves towards the component board 18, the lateral support members 82 are exposed through the slits 84.

The extended lateral support members 82 are restrain the CEC both vertical and horizontally.

Page 22, please amend the ABSTRACT as follows:

A dual motion docking apparatus for docking an electronics console to a component board in a chassis is disclosed. The electronics console and the component board lie in the same plane of the chassis, but the electronics console must be mated with the component board at an angle orthogonal to a direction of installation of the electronics console. Aspects of the present invention include a first docking mechanism for slidably inserting the electronics console into a chassis, such that connectors on the electronics console align with connectors on the component board. The first docking mechanism preferably comprises a docking base coupled to the electronics console that has a longitudinal female portion, and a longitudinal male portion located on an underside of the electronics console, wherein when the electronics console is inserted into an opening in a chassis, the male portion engages the female portion of the docking base to guide the electronics console along the docking base as the electronics console is slid into the chassis. and a The dual motion docking apparatus further includes a second docking mechanism for laterally moving the electronics console towards the component board, such that the electronics console connectors engage the component board connectors, thereby enabling the blind docking between the electronics console and the component board. The second

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electronics console, and a cam mechanism having a portion that is held immobile by a
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electronics console towards the component board.